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INC

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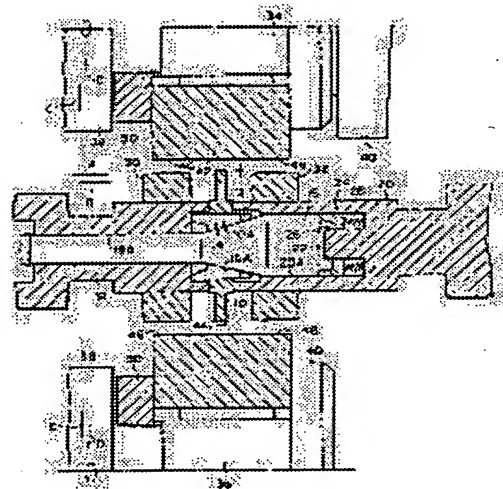
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(54) FORM ROLLING EQUIPMENT

(57)Abstract:

PURPOSE: To eliminate the ununiformity in the squeezed quantity of forming roller and to increase the out of roundness by arranging coaxially a displacement regulating disc with rolling product on the form rolling equipment to perform the plastic working of the outer periphery of a rolling blank, by arranging a displacement regulating roller as well coaxially with forming roller and by rolling with pressing the displacement regulating roller to the displacement regulating disc.

CONSTITUTION: The outer diameter of a collet 12 is reduced with the collet expanding rod 16 being projected from a blank arbor 18 when it is moved in the arrow mark direction B and separated from pressure-fitting arbor 20. And when the rolling blank 10 is fitted into the collet 12 and the blank arbor 18 is moved in the direction A, the collet 12 is expanded, holding the rolling blank and pinching it between the blank arbor 18 and pressure-fitting arbor 20. Forming rollers 42, 44 roll with pressing the outer periphery of the rolling blank 10 with rotating. And when the pressure quantity reaches the prescribed value, the outer periphery of displacement regulating roller 46, 48 comes into contact with the displacement regulating disc 30, 32 and the increased part of the pressure force is received by the displacement regulating discs 30, 32.



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